

ABSTRACT OF THE DISCLOSURE**METHOD, SYSTEM, AND PRODUCT FOR ISOLATING MEMORY SYSTEM
DEFECTS TO A PARTICULAR MEMORY SYSTEM COMPONENT**

A method, system, and product are disclosed for isolating a defect in a memory system by determining in which particular component of the memory system the defect exists. The memory system includes multiple components. The components include a physical memory module, a memory card to which the physical memory module is attached, and a memory controller for controlling the memory card. The memory card includes one or more electrical buffers for driving or detecting the memory signals. The buffers may be used as virtual memory elements. Each component is tested separately in order to identify the defective component with the help of virtual memory system elements. The components are tested by first testing the physical memory module. If the physical memory module passes the test, the memory card is then tested. If the memory card passes its test, the memory controller is tested.